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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,005	09/16/2003	Youngun Pac	7124.020	6644
30589	7590 03/30/2005		. EXAM	INER
DUNLAP, 0 PO BOX 163	CODDING & ROGE	MOORE, MARGARET G		
OKLAHOMA CITY, OK 73113			ART UNIT	PAPER NUMBER
	•		1712	

DATE MAILED: 03/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		<i>S</i>				
	Ap	plication No.	Applicant(s)			
	1	/667,005	PAE, YOUNGUN			
Office Action Summa	ry Exa	aminer	Art Unit			
	Ma	rgaret G. Moore	1712			
The MAILING DATE of this col Period for Reply	mmunication appears	on the cover sheet v	vith the correspondence address			
A SHORTENED STATUTORY PER THE MAILING DATE OF THIS COM  - Extensions of time may be available under the pr after SIX (6) MONTHS from the mailing date of the  - If the period for reply specified above is less than  - If NO period for reply is specified above, the max  - Failure to reply within the set or extended period Any reply received by the Office later than three r earned patent term adjustment. See 37 CFR 1.7	MUNICATION.  ovisions of 37 CFR 1.136(a).  iis communication.  thirty (30) days, a reply withir  imum statutory period will app  for reply will, by statute, cause  nonths after the mailing date of	In no event, however, may a the statutory minimum of the sty and will expire SIX (6) MC to the application to become it	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
Status						
1) Responsive to communication	(s) filed on 14 Septer	mber 2004.				
2a) This action is FINAL.						
3)☐ Since this application is in con						
closed in accordance with the	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)	_ is/are withdrawn fr rejected. I to.	om consideration.				
Application Papers						
9)☐ The specification is objected to	by the Examiner.					
10)☐ The drawing(s) filed oni	0)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that an	y objection to the draw	ing(s) be held in abeya	ance. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) inc	=	*	g(s) is objected to. See 37 CFR 1.121(d). ed Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a a) All b) Some * c) None 1. Certified copies of the p 2. Certified copies of the p 3. Copies of the certified copies of the p application from the Inte	e of: riority documents have riority documents have opies of the priority de rnational Bureau (PC	ve been received. ve been received in ocuments have bee CT Rule 17.2(a)).	Application No n received in this National Stage			
Attachment(s)						
1) Notice of References Cited (PTO-892)		4) 🔲 Interview	Summary (PTO-413)			
<ol> <li>Notice of Draftsperson's Patent Drawing Re</li> <li>Information Disclosure Statement(s) (PTO-1 Paper No(s)/Mail Date</li> </ol>		Paper No	(s)/Mail Date Informal Patent Application (PTO-152) 			

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Application/Control Number: 10/667,005

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1. Claims 2 to 33 and 67 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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In claims 2 and 33, the tint additive formula is somewhat confusing. Note, for instance, that in the propylene bond connecting NH and Si, the angles in the line represent  $CH_2$  atoms; that is, the absence of any specific group is taken to indicate the presence of a hydrogen atom. Thus, in the bond attached to the left hand side of the NH group, the absence of any other indicated bond or group would lead one to believe that a hydrogen atom is present. In such a situation it is unclear where or how the R1 or  $R_2$  group is attached to the polyoxyethylene group. The Examiner suggests that the silane containing formula be amended to clarify that the carbon atom in the N(H)C=O group is attached to the polyoxyethylene group.

In claim 2, reference to "the composition" on, for instance, the second to the last line on page 3 of the claims submitted 9/14/04 (the fourth line in base compound (1)) is confusing. Line 1 of claim 2 refers to a composition while base compound (1) refers to a composition. As such it is unclear to which composition this refers. This applies in base compounds (2) to (5) as well.

It is unclear in claim 33 if reference to the hydrolysis products and partial condensates of an epoxy functional silane, a tetrafunctional silane and a multifunctional compound, found starting on the line 6 of the claim embraces the specific base compounds (1) to (6) or if these products are in addition to base compounds (1) to (6). The Examiner raises this question because each of the components found in the claim starting on line 6 are embraced in more specific amounts in compounds (1) to (6).

Claim 67 is incomplete.

2. The instant claims are neither taught nor suggested by the prior art. The inventive aspect of this coating composition is the combination of the tint additive with the specific base compounds. The base compounds are generally known. Applicants have supplied copies of references teaching them in their Information Disclosure Statement. See for instance Terry et al., 6,538,092. The tint additive compound is also

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known, albeit teachings of this compound are scarce. For instance Jacobine et al., issued in June of 2004, has a claim directed to such a compound when both  $R_1$  and  $R_2$  are silane groups. See claim 14. Harisiades et al. generally include such compounds as well. For instance see the formula (A) and note the definition of T on the bottom of column 2, wherein the top of column 5 teaches polyethylene glycol T groups. Thus the only difference between the compound on column 11, line 12, and the claimed tint additive is the propylene diol reactant rather than the polyethylene glycol reactant, the difference of which would have been obvious in view of the total teachings in Harisiades et al. Katz et al. teach silanes compounds on column 7, lines 45 to 50, in which X can be a polyether (column 6, line 10). Finally, Chang et al. teach silane compounds that are similar to the tint additive but differs in that the  $R^{14}$  on column 3 in Chang et al. is not hydrogen.

There simply is no teaching, motivation or suggestion to include a compound meeting the required formula for the tint additive into a base compound composition as claimed. In view of this the instant claims are neither taught nor suggested by the prior art.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Margaret G. Moore whose telephone number is 571-272-1090. The examiner can normally be reached on Monday to Wednesday and Friday, 10am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Margar**€**t G. Moore Primary Examiner Art Unit 1712

mgm 3/26/05